U-TURN

HYDRA COIL

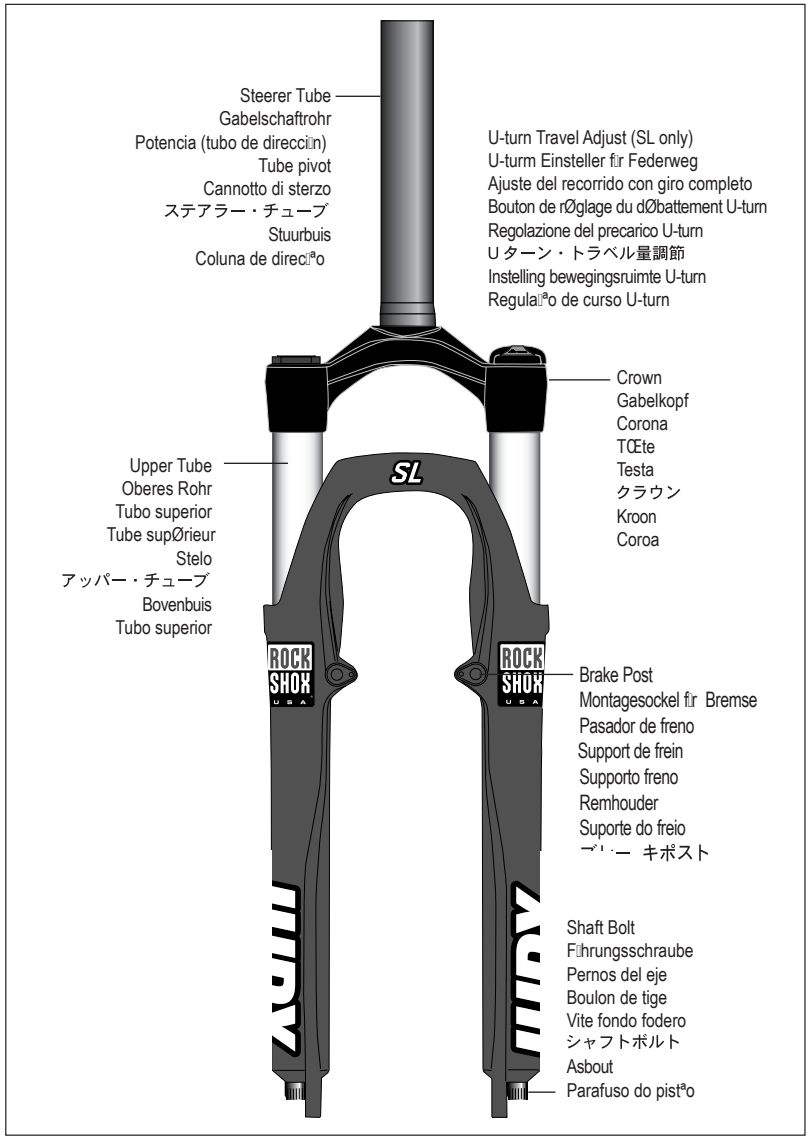
ROCK SHOX USA

JUDY

User Manual

POWERED BY SRAM

Congratulations! You have the best in suspension components on your bicycle! This manual contains important information about the safe operation and maintenance of your fork. To ensure that your RockShox fork performs properly, we recommend that you have your fork installed by a qualified bicycle mechanic. We also urge you to follow our recommendations to help make your riding experience more enjoyable and trouble-free.



NOTE: YOUR FORK'S APPEARANCE MAY VARY FROM THE ILLUSTRATIONS/PHOTOS IN THIS MANUAL. FOR THE LATEST INFORMATION ABOUT YOUR FORK VISIT OUR WEBSITE AT WWW.ROCKSHOX.COM.

FEATURES / AUSSTATTUNG / CARACTERÍSTICAS / CARACTÉRISTIQUES / CARATTERISTICHE / EIGENSCHAPPEN / CARACTERÍSTICAS/ 特徴

Judy SL

- U-Turn Travel Adjustment (ranging from 70 to 115 mm) / U-Turn-Einstellung des Federwegs (70-115 mm) / Ajuste de recorrido en el modelo U-Turn (entre 70 y 115 mm) / Réglage du débattement U-turn (entre 70 et 115 mm) / Regolazione dell'escursione U-turn (variabile da 70 a 115 mm) / Afstelling bewegingsruimte U-Turn (van 70 tot 115 mm) / Ajuste do curso de U-Turn (entre 70 e 115 mm) / Uターン・トラベル量調節 (70 mm から 115 mm)
- Oil Damping / Öldämpfung / Amortiguación por aceite / Amortissement à huile / Taratura per mezzo dell'olio / Oliedemping / Amortecimento a óleo /オイル・ダンピング
- Magnesium Die Cast Lower Leg Assembly / Unteres Rohr aus gegossenem Magnesium / Conjunto de brazo inferior de magnesio vaciado / Assemblage des bras inférieurs en magnésium, moulé sous pression / Fusione monopezzo foderi in magnesio / Magnesium gegoten onderbuis / Conjunto braço da forqueta, moldado em magnésio / マグネシウム・ダイカスト・ローアーチューブ・アセンブリー

Judy XC

- 80 or 100 mm Travel / 80 oder 100 mm Federweg / 80 o 100 mm de recorrido / Débattement de 80 ou 100 mm / Escursione 80 o 100 mm / 80 of 100 mm bewegingsruimte / Curso de 80 ou 100 mm / トラベル量 80 または 100mm
- Oil Damping / Öldämpfung / Amortiguación por aceite / Amortissement à huile / Taratura per mezzo dell'olio / Oliedemping / Amortecimento a óleo /オイル・ダンピング
- Magnesium Die Cast Lower Leg Assembly / Unteres Rohr aus gegossenem Magnesium / Conjunto de brazo inferior de magnesio vaciado / Assemblage des bras inférieurs en magnésium, moulé sous pression / Fusione monopezzo foderi in magnesio / Magnesium gegoten onderbuis / Conjunto do braço da forqueta, moldado em magnésio / マグネシウム・ダイカスト・ローアーチューブ・アセンブリー
- Dual Stage, coil and elastomer spring system / Dual Stage, Stahl- und Elastomer-Federsystem / Sistema de muelles de Dual Stage, helicoidal y elastómero / Système à deux étages, à ressorts hélicoïdaux et en élastomère / Dual Stage, sistema elastico con molla ed elastomero / Dual Stage, spiraal- en elastomeer veersysteem / Sistema Dual Stage com amortecedor de mola e elastómero / コイル／エラストマー二段階スプリングシステム
- Preload Adjustment / Einstellbare Vorspannung / Ajuste de precarga / Réglage de la précharge / Regolazione del precarico / Instelling voorbelasting / Regulação de pré-carga / プレロード調節

Judy TT and C*

- 80 or 100 mm Travel / 80 oder 100 mm Federweg / 80 o 100 mm de recorrido / Débattement de 80 ou 100 mm / Escursione 80 o 100 mm / 80 of 100 mm bewegingsruimte / Curso de 80 ou 100 mm / トラベル量 80 または 100mm
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- Judy C Only*: Magnesium Die Cast Lower Leg Assembly / Unteres Rohr aus gegossenem Magnesium / Conjunto de brazo inferior de magnesio vaciado / Assemblage des bras inférieurs en magnésium, moulé sous pression / Fusione monopezzo foderi in magnesio / Magnesium gegoten onderbuis / Conjunto do braço da forqueta, moldado em magnésio / マグネシウム・ダイカスト・ローアーチューブ・アセンブリー

I M P O R T A N T

Consumer Safety Information

1. The fork on your bicycle is designed for use by a single rider, on mountain trails, and similar off-road conditions.
2. Before riding the bicycle, be sure the brakes are properly installed and adjusted. Use your brakes carefully and learn your brakes' characteristics by practicing your braking technique in non-emergency circumstances. Hard braking or improper use of the front brake can cause you to fall. If the brakes are out of adjustment, improperly installed or are not used properly, the rider could suffer serious and/or fatal injuries.
3. Your fork may fail in certain circumstances, including, but not limited to, any condition that causes a loss of oil; collision or other activity bending or breaking the fork's components or parts; and extended periods of non-use. Fork failure may not be visible. Do not ride the bicycle if you notice bent or broken fork parts, loss of oil, sounds of excessive topping out, or other indications of a possible fork failure, such as loss of shock absorbing properties. Instead, take your bike to a qualified dealer for inspection and repair. In the event of a fork failure, damage to the bicycle or personal injury may result.
4. Always use genuine RockShox parts. Use of aftermarket replacement parts voids the warranty and could cause structural failure to the shock. Structural failure could result in loss of control of the bicycle with possible serious and/or fatal injuries.
5. Use extreme caution not to tilt the bicycle to either side when mounting the bicycle to a carrier by the fork drop-outs (front wheel removed). The fork legs may suffer structural damage if the bicycle is tilted while the drop-outs are in the carrier. Make sure the fork is securely fastened down with a quick release. Make sure the rear wheel is fastened down when using ANY bike carrier that secures the fork's drop-outs. Not securing the rear can allow the bike's mass to side-load the drop-outs, causing them to break or crack. If the bicycle tilts or falls out of its carrier, do not ride the bicycle until the fork is properly examined for possible damage. Return the fork to your dealer for inspection or call RockShox if there is any question of possible damage (See the International Distributor List). A fork leg or drop-out failure could result in loss of control of the bicycle with possible serious and/or fatal injuries.
6. **Forks designed for use with 'v'-style brakes: o**nly mount cantilever-type brakes to the existing brake posts. Forks with hangerless style braces are only designed for "V"- style or hydraulic cantilever brakes. Do not use any cantilever brake other than those intended by the brake manufacturer to work with a hangerless brace. Do not route the front brake cable and/or cable housing through the stem or any other mounts or cable stops. Do not use a front brake cable leverage device mounted to the brace. **Forks designed for use with disc-style brakes:** follow the brake manufacturer's installation instruction for proper installation and mounting of the brake caliper.
7. Observe all owner's manual instructions for care and service of this product.

ROCKSHOX FORKS ARE DESIGNED FOR COMPETITIVE OFF-ROAD RIDING AND DO NOT COME WITH THE PROPER REFLECTORS FOR ON-ROAD USE. YOUR DEALER SHOULD INSTALL PROPER REFLECTORS TO MEET THE CONSUMER PRODUCT SAFETY COMMISSION'S (CPSC) REQUIREMENTS FOR BICYCLE STANDARDS IF THE FORK IS GOING TO BE USED ON PUBLIC ROADS AT ANY TIME.

INSTALLATION

It is extremely important that your RockShox fork is installed correctly by a qualified bicycle mechanic. Improperly installed forks are extremely ***dangerous*** and can result in ***severe and/or fatal injuries***.

1. Remove the existing fork from the bicycle and the crown race from the fork. Measure the length of the fork steerer tube against the length of the RockShox steerer tube. The RockShox steerer tube may need cutting to the proper length. Make sure there is sufficient length to clamp the stem (refer to the stem manufacturer's instructions).

⚠ WARNING

DO NOT ADD THREADS TO ROCKSHOX THREADLESS STEERERS. THE STEERER TUBE CROWN ASSEMBLY IS A ONE-TIME PRESS FIT. REPLACEMENT OF THE ASSEMBLY MUST BE DONE TO CHANGE THE LENGTH, DIAMETER OR HEADSET TYPE (THREADED OR THREADLESS).

DO NOT REMOVE OR REPLACE THE STEERER TUBE. THIS COULD RESULT IN THE LOSS OF CONTROL OF THE BICYCLE WITH POSSIBLE SERIOUS AND/OR FATAL INJURIES.

2. Install the headset crown race (29.9mm for 1 1/8" steerers) firmly against the top of the fork crown. Install the fork assembly on the bike. Adjust the headset until you feel no play or drag.
3. Install the brakes according to the manufacturer's instructions and adjust brake pads properly. Use the fork only with disc style brakes mounted through the provided mounting holes. Do not use any cantilever brake other than those intended by the brake manufacturer to work with a hangerless brace.
4. **Forks designed for standard quick releases:** adjust the front wheel quick release to clear the dropout's counter bore. The quick release nut must be tightened after the wheel is properly seated into the dropout's counter bore. Make sure four or more threads are engaged in the quick release nut when it is closed. Orient the quick release lever in front of and parallel to the lower tube in the locked position. **Forks designed for a thru-axle (not available for all forks)**: follow the installation instructions that follow for the Maxle Quick Release system
5. Keep in mind tire clearance as you choose tires. Maximum size is 2.3" wide or 345 mm radius installed. Be sure to check this radius whenever you change tires. To do this, remove the top caps and spring stack assemblies and compress the fork completely to make sure at least 5 mm of clearance exists between the top of the tire and the bottom of the crown. Exceeding maximum tire size will cause the tire to jam against the crown when the fork is fully compressed.

PERFORMANCE TUNING

RockShox forks can be tuned for your particular weight, riding style, and terrain.

Setting Sag (Judy C, TT and XC)

Judy forks are designed to sag when you are sitting on your bike. Sag is the compression of the fork caused by the rider's weight. Proper sag allows the front wheel to follow the contour of the terrain as you ride.

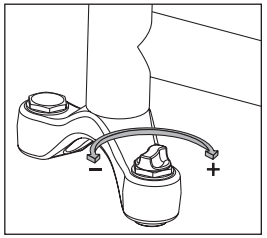

Fig. 1

Sag is adjusted by turning the top cap preload adjuster (fig 1). Turning the adjuster clockwise increases spring preload (i.e. stiffening the spring) decreasing sag. Turning the adjuster counter clockwise decreases spring preload which increases sag.

Model	Fork Travel	Sag
Judy C/TT/XC	80 mm	13-20 mm
Judy C/TT/XC	100 mm	18-25 mm

To measure sag, install a zip tie on the upper tube of the fork flush against the dust wiper. Sit on the bike with normal riding apparel. Step off the bike, and measure the distance between the dust wiper and the zip tie. This is your sag.

Oil Tuning (Judy XC/SL)

Changing the HydraCoil oil in your fork will alter its rebound characteristics. Rebound is the return stroke of the fork in opposition to compression. To slow the rebound of your fork (greater damping) , replace the stock 10 wt. oil with a heavier weight suspension oil (15 wt.). For faster rebound (less damping), replace the stock oil with a lighter weight suspension oil (5 wt.).For further information on oil volumes and adding oil to your fork, visit our website at www.rockshox.com or contact your local dealer or distributor.

U-turn Travel Adjust (Judy SL)

This U-turn fork can be adjusted from 70 to 115 mm of travel.

CHANGING TRAVEL

Turning the U-turn adjuster knob counterclockwise increases travel. From minimum travel, there are approximately six turns to achieve maximum travel (115 mm). Each turn increases or decreases the travel by 7.5 mm (fig. 2).

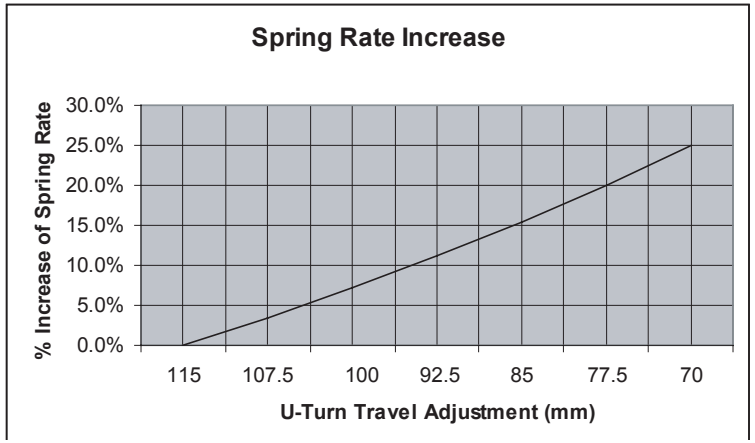

Fig. 2

IMPORTANT: STOP TURNING THE U-TURN ADJUSTER KNOB AFTER YOU HAVE REACHED 115 MM OF TRAVEL (MAXIMUM TRAVEL). TURNING THE KNOB PAST THIS POINT MAY CAUSE DAMAGE TO THE U-TURN FEATURE.

MAINTENANCE

To maintain the high performance, safety, and long life of your fork, periodic maintenance is required. If you ride in extreme conditions, maintenance should be performed more frequently.

* WE RECOMMEND THIS SERVICE BE PERFORMED BY A QUALIFIED BICYCLE MECHANIC. TO OBTAIN SERVICE INFORMATION OR INSTRUCTIONS, VISIT OUR WEBSITE AT WWW.ROCKSHOX.COM OR CONTACT YOUR LOCAL ROCKSHOX DEALER OR DISTRIBUTOR.

Torque Tightening Values

Top Caps	65 in-lb
Brake Posts	80 in-lb
Shaft Bolts	60 in-lb
U-Turn Adjuster Knob Screw	12 in-lb

SERVICE INTERVALS	GPS Metro	Judy TT/C	Judy XC / Pilot C	Judy SL	Pilot XC/SL
Clean dirt and debris from upper tubes	E	E	E	E	E
Inspect upper tubes for scratches	E	E	E	E	E
Lubricate dust seals/tubes	10	10	10	10	10
Check top caps, brake posts and shaft bolts for proper torque	25	25	25	25	25
Check air pressure	*	*	*	*	E
Remove lowers, clean/inspect bushings and change oil bath	*	*	50	50	50
Change oil in Pure system	*	*	*	*	*
Change oil in Motion Control System	*	*	*	*	100
Clean and lubricate Air U-Turn/Dual Air/Air Assist assembly	*	*	*	*	50
Clean and lubricate coil spring or coil U-Turn spring assembly	100	100	100	100	*
Clean and lubricate PopLoc cable and housing	*	*	*	*	50

	Reba SL, Race & Team	SID Race, SL & World Cup	Pike SL, Race & Team	Boxxer Ride. Race, Team & World Cup
Clean dirt and debris from upper tubes	E	E	E	E
Inspect upper tubes for scratches	E	E	E	E
Lubricate dust seals/tubes	10	10	10	E
Check top caps, brake posts and shaft bolts for proper torque	25	25	25	25
Check air pressure	E	E	*	*
Remove lowers, clean/inspect bushings and change oil bath	50	50	50	25
Change oil in Pure system	*	100	*	*
Change oil in Motion Control System	100	*	100	*
Clean and lubricate Air U-Turn/Dual Air/Air Assist assembly	50	50	*	50
Clean and lubricate coil spring or coil U-Turn spring assembly	*	*	100	*
Clean and lubricate PopLoc cable and housing	50	50	50	*

Notes:

E = Every ride

Numeric values represent hours of riding time.

Increase service intervals based on rider weight, aggressive riding style/conditions, inclement weather and racing

SRAM CORPORATION WARRANTY

Extent of Limited Warranty

SRAM warrants its products to be free from defects in materials or workmanship for a period of two years after original purchase. This warranty only applies to the original owner and is not transferable. Claims under this warranty must be made through the retailer where the bicycle or the SRAM component was purchased. Original proof of purchase is required.

Local law

This warranty statement gives the customer specific legal rights. The customer may also have other rights which vary from state to state (USA), from province to province (Canada), and from country to country elsewhere in the world.

To the extent that this warranty statement is inconsistent with the local law, this warranty shall be deemed modified to be consistent with such law, under such local law, certain disclaimers and limitations of this warranty statement may apply to the customer. For example, some states in the United States of America, as well as some governments outside of the United States (including provinces in Canada) may:

a. Preclude the disclaimers and limitations of this warranty statement from limiting the statutory rights of the consumer (e.g. United Kingdom).

b. Otherwise restrict the ability of a manufacturer to enforce such disclaimers or limitations.

Limitations of Liability

To the extent allowed by local law, except for the obligations specifically set forth in this warranty statement, In no event Shall SRAM or its third party supplies be liable for direct, indirect, special, incidental, or consequential damages.

Limitations of Warranty

- This warranty does not apply to products that have not been incorrectly installed and/or adjusted according to the respective SRAM technical installation manual. The SRAM installation manuals can be found online at www.sram.com or www.rockshox.com.
- This warranty does not apply to damage to the product caused by a crash, impact, abuse of the product, non-compliance with manufacturers specifications of usage or any other circumstances in which the product has been subjected to forces or loads beyond its design.
- This warranty does not apply when the product has been modified.
- This warranty does not apply when the serial number or production code has been deliberately altered, defaced or removed.
- This warranty does not apply to normal wear and tear. Wear and tear parts are subject to damage as a result of normal use, failure to service according to SRAM recommendations and/or riding or installation in conditions or applications other than recommended.

WEAR AND TEAR PARTS ARE IDENTIFIED AS:

- Dust seals
- Air sealing o-rings
- Rubber moving parts.
- Rear shock mounting hardware and main seals
- Stripped threads/bolts (aluminium, titanium, magnesium or steel)
- Brake pads
- Sprockets
- Shifter and brake cables (inner and outer)
- Shifter grips
- Disc brake rotors
- Bushings
- Glide rings
- Foam rings
- Upper tubes (stanchions)
- Brake sleeves
- Chains
- Cassettes
- Handlebar grips
- Jockey wheels
- Tools

- This warranty shall not cover damages caused by the use of parts of different manufacturers.
- This warranty shall not cover damages caused by the use of parts that are not compatible, suitable and/or authorised by SRAM for use with SRAM components.

Herzlichen Glückwunsch! Ihr Fahrrad ist mit dem besten Federungssysteme ausgestattet! Diese Gebrauchsanleitung enthält wichtige Informationen zur sicheren Bedienung und Wartung Ihrer Gabel. Um die richtige Funktion Ihrer RockShox-Gabel zu gewährleisten, empfehlen wir, die Gabel von einem qualifizierten Fahrradmechaniker einbauen zu lassen. Wir bitten Sie die folgenden hinweise zu lesen und zu beherzigen, damit Sie mit Ihr Fahrrad und die Technik sicher genießen können.

W I C H T I G

Sicherheitsinformationen

1. Die Gabel Ihres Fahrrads wurde für die Benutzung durch einen einzelnen Fahrer auf Trails und in ähnlichem Gelände konstruiert.
2. Vergewissern Sie sich vor dem Fahren, dass die Bremsen fachgerecht montiert und eingestellt sind. Verwenden Sie die Bremsen zu Beginn vorsichtig, und machen Sie sich sorgfältig mit der Funktionsweise vertraut. Abruptes Bremsen oder die unsachgemäße Verwendung der Vorderbremse können zu Stürzen führen. Wenn die Bremsen nicht korrekt eingestellt oder montiert sind bzw. nicht ordnungsgemäß funktionieren, besteht für den Fahrer das Risiko von schweren oder lebensgefährlichen Verletzungen.
3. Ihre Gabel kann in bestimmten Situationen nicht richtig funktionieren, wie z. B. bei Ölverlust, nach Unfällen oder in anderen Situationen, in denen die Komponenten oder Bauteile verbogen werden oder brechen, oder nach längerer Nichtbenutzung der Gabel. Ein Gabeldefekt ist nicht unbedingt äußerlich erkennbar. Falls Teile der Gabel verbogen oder gebrochen sind, Öl austritt, bei Geräuschen, die auf ein übermäßiges Durchschlagen hinweisen oder bei anderen Anzeichen für ein mögliches Versagen der Gabel, wie etwa eine verringerte Stoßdämpfung, sollten Sie das Fahrrad nicht mehr benutzen. Lassen Sie das Fahrrad in einem solchen Fall sofort von einem qualifizierten Händler überprüfen und reparieren. Wenn die Gabel einen Defekt aufweist, kann das zur Beschädigung des Fahrrads oder auch zu Verletzungen des Fahrers führen.
4. Verwenden Sie ausschließlich Originalteile von RockShox. Bei Verwendung von Fremdbauteilen ist die ordnungsgemäße Funktion der Gabel nicht gewährleistet; die Garantie erlischt. Dies kann dazu führen, dass der Fahrer die Kontrolle über das Fahrrad verliert und schwere und/oder lebensgefährliche Verletzungen erleidet.
5. Wenn das Fahrrad mit den Ausfallenden (Vorderrad entfernt) an einer Trägervorrichtung befestigt wird, darf das Fahrrad nicht zur Seite geneigt werden. Wird das Fahrrad geneigt, während die Ausfallenden in der Trägervorrichtung eingespannt sind, können die Gabelbeine brechen. Die Ausfallenden der Gabel müssen mit einem Schnellspanner befestigt werden. Bei Verwendung eines Fahrradträgers, an dem die Gabel-Ausfallenden befestigt werden, muss auch das Hinterrad gesichert werden. Wenn das Hinterrad nicht befestigt wird, können die Gabel-Ausfallenden durch das Gewicht des Fahrrads einseitig belastet werden und dadurch brechen oder ausreißen. Sollte das Fahrrad umkippen oder aus dem Träger fallen, darf es erst wieder gefahren werden, nachdem die Gabel fachgerecht auf mögliche Schäden überprüft worden ist. Falls Sie einen Schaden vermuten, lassen Sie die Gabel von Ihrem Fachhändler überprüfen, oder wenden Sie sich direkt an RockShox (Adressen entnehmen Sie der Liste der Importeure nach Ländern). Defekte am Gabelbein oder an den Ausfallenden können dazu führen, dass der Fahrer die Kontrolle über das Fahrrad verliert und schwere und/oder lebensgefährliche Verletzungen erleidet.
6. Gabeln für V-Brakes: Montieren Sie an den vorhandenen Montagesockeln ausschließlich Cantilever--Bremsen. Gabeln mit Gabelbrücken ohne Bremskabelaufhängung sind nur für V-Bremsen oder hydraulische Cantilever-Bremsen geeignet. Mit einer Gabelbrücke ohne Bremszughalterung dürfen nur die Cantilever-Bremsen verwendet werden, die vom Hersteller der Bremse dafür vorgesehen sind. Der Vorderbremszug und/oder die Bremszughülle dürfen nicht durch den Vorbau, andere Befestigungen oder Bremszughalterungen geführt werden. Es darf keine Vorderbremszug-Hebelvorrichtung verwendet werden, die an der Gabelbrücke angebracht ist. Gabeln für Scheibenbremsen: Befolgen Sie zur ordnungsgemäßen Montage und Befestigung des Bremssattels die Herstelleranweisungen.
7. Bitte beachten Sie alle Hinweise in der Gebrauchsanleitung bezüglich der Pflege und Wartung dieses Produkts.

ROCKSHOX-GABELN SIND FÜR OFFROAD-WETTBEWERBE VORGESEHEN UND VERFÜGEN NICHT ÜBER DIE VORGESCHRIEBENEN REFLEKTOREN ZUM FAHREN AUF ÖFFENTLICHEN STRASSEN. ZUM FAHREN IM ÖFFENTLICHEN STRASSENVERKEHR SOLLTE IHR HÄNDLER DIE VORGESCHRIEBENEN REFLEKTOREN UND BELEUCHTUNGEN ANBRINGEN, UM DIE ENTSPRECHENDEN VORSCHRIFTEN ZU ERFÜLLEN.